

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112125\
 Data File : PD091329.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Nov 2025 09:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/26/2025
 Supervised By :mohammad ahmed 11/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 26 00:45:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 15 04:46:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.542	2.871	68521273	788.8E6	19.869	21.535
28)	SA Decachlor...	9.061	8.055	100.7E6	914.2E6	20.204	23.100
Target Compounds							
2)	A alpha-BHC	3.991	3.382	67524122	658.3E6	8.445	10.416
3)	MA gamma-BHC...	4.322	3.718	65012418	612.3E6	8.700	10.590
6)	B beta-BHC	4.509	4.015	28106862	256.0E6	9.674	10.654
12)	B 4,4'-DDE	6.187	5.359	749067	9862990	0.129	0.185m#
14)	MA Endrin	6.564	5.775	238.8E6	2370.6E6	48.107	52.456
16)	A 4,4'-DDD	6.696	5.915	21905134	223.6E6	4.460	4.576
17)	MA 4,4'-DDT	7.012	6.169	400.4E6	4239.6E6	96.827	108.341
18)	B Endrin al...	6.907	6.244	4576959	45264843	1.099	1.283
20)	A Methoxychlor	7.485	6.739	486.9E6	4341.4E6	223.953	216.515
21)	B Endrin ke...	7.621	6.976	11877697	122.0E6	2.108	2.395

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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Acq On : 21 Nov 2025 09:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

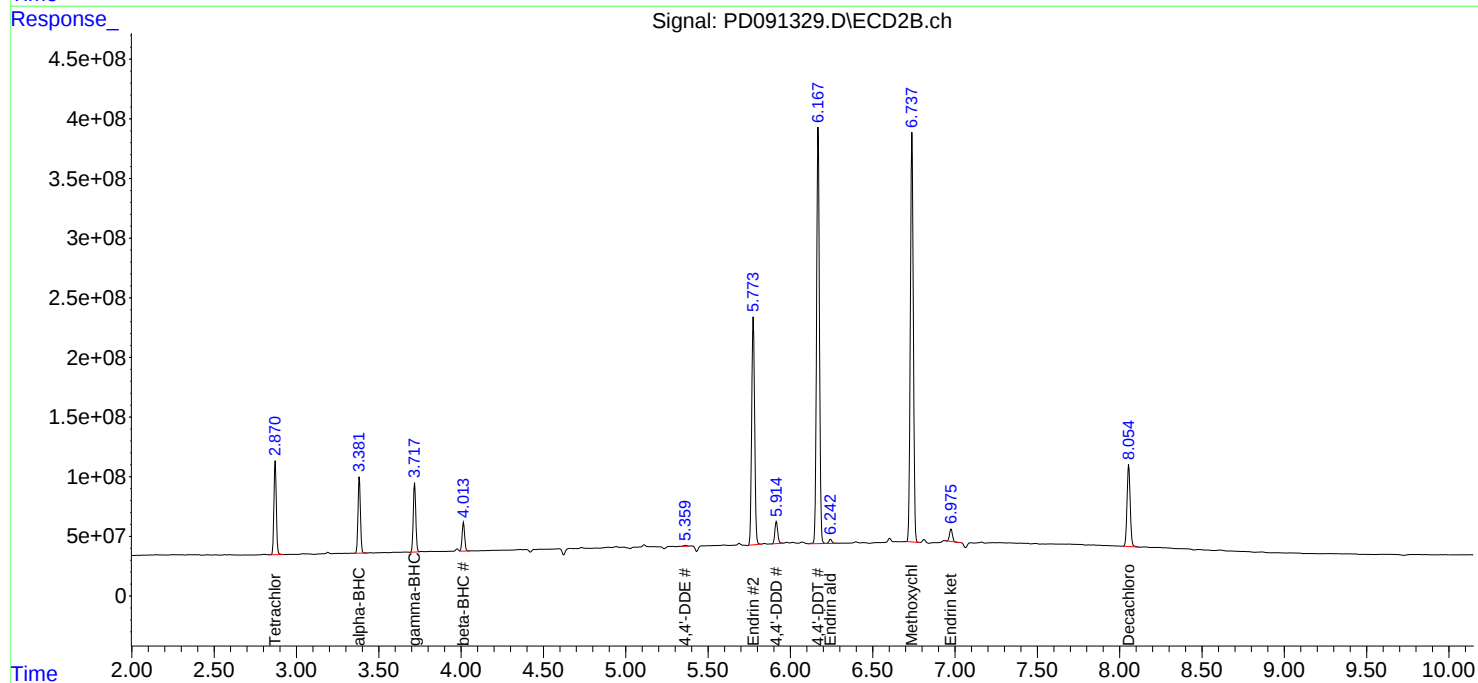
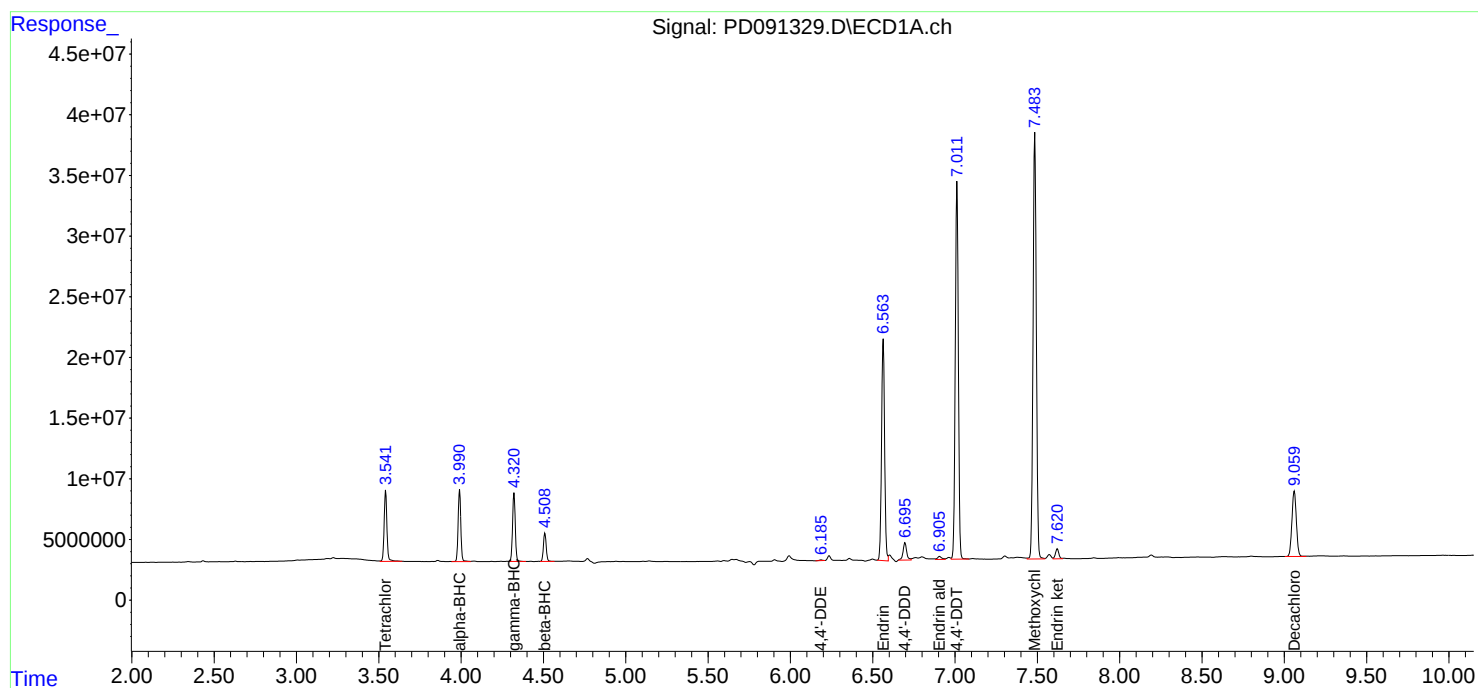
Instrument :
ECD_D
ClientSampleId :
PEM

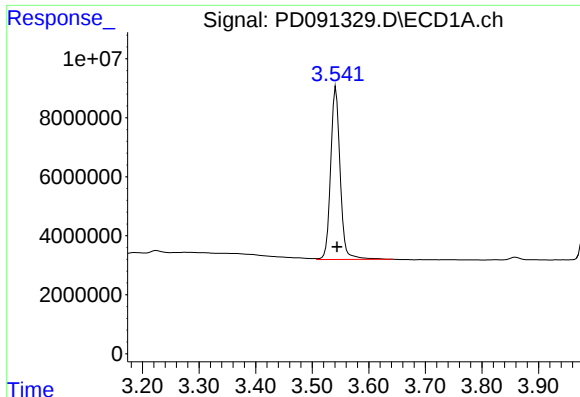
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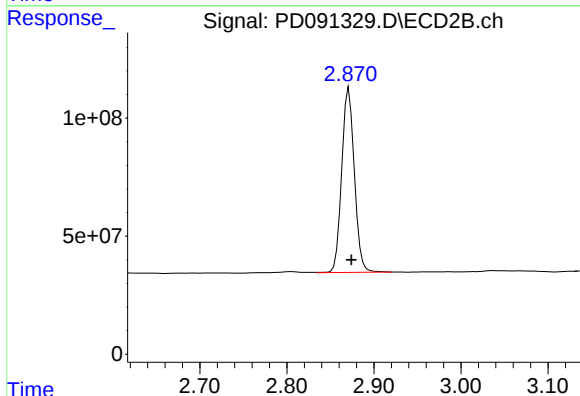
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 68521273
Conc: 19.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

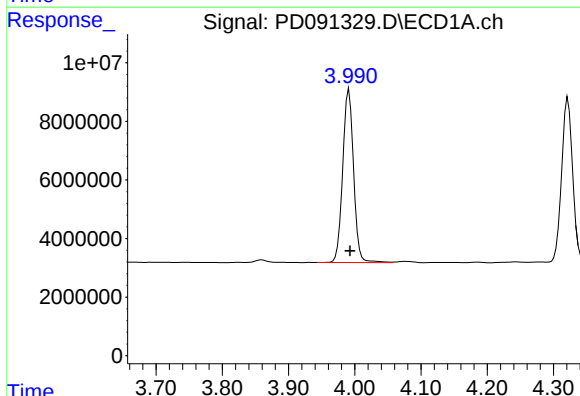
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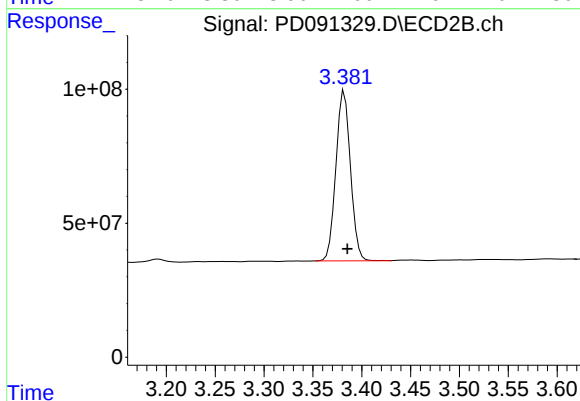
#1 Tetrachloro-m-xylene

R.T.: 2.871 min
Delta R.T.: -0.003 min
Response: 788833912
Conc: 21.54 ng/ml



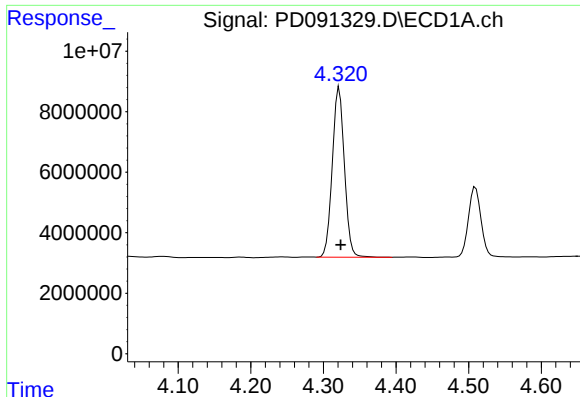
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.002 min
Response: 67524122
Conc: 8.45 ng/ml



#2 alpha-BHC

R.T.: 3.382 min
Delta R.T.: -0.003 min
Response: 658334534
Conc: 10.42 ng/ml



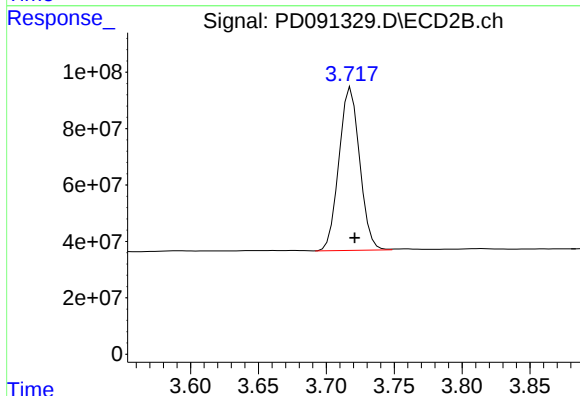
#3 gamma-BHC (Lindane)

R.T.: 4.322 min
Delta R.T.: -0.002 min
Response: 65012418
Conc: 8.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

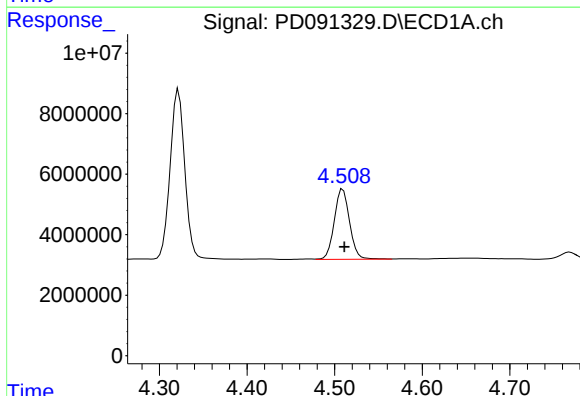
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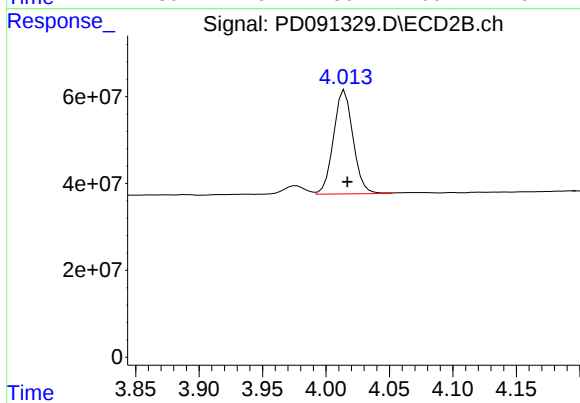
#3 gamma-BHC (Lindane)

R.T.: 3.718 min
Delta R.T.: -0.003 min
Response: 612348810
Conc: 10.59 ng/ml



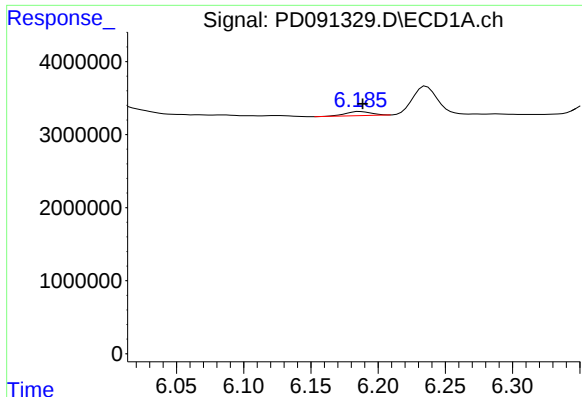
#6 beta-BHC

R.T.: 4.509 min
Delta R.T.: -0.002 min
Response: 28106862
Conc: 9.67 ng/ml



#6 beta-BHC

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 255979235
Conc: 10.65 ng/ml



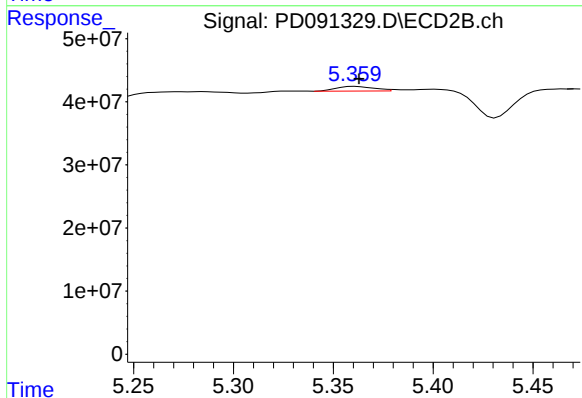
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.002 min
Response: 749067
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

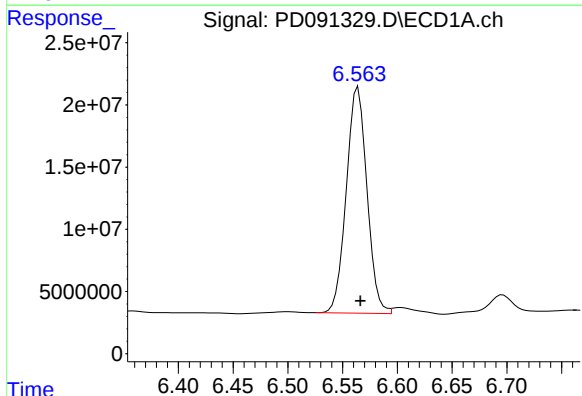
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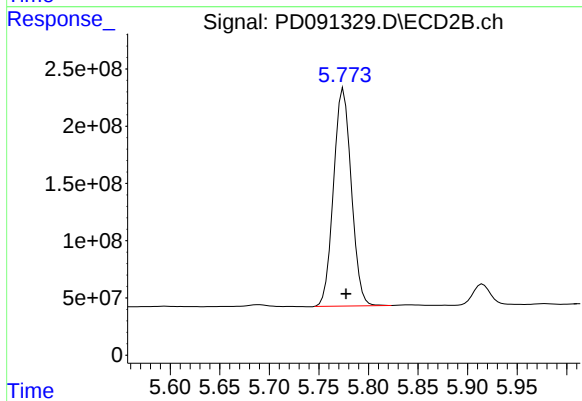
#12 4,4'-DDE

R.T.: 5.359 min
Delta R.T.: -0.004 min
Response: 9862990
Conc: 0.18 ng/ml m



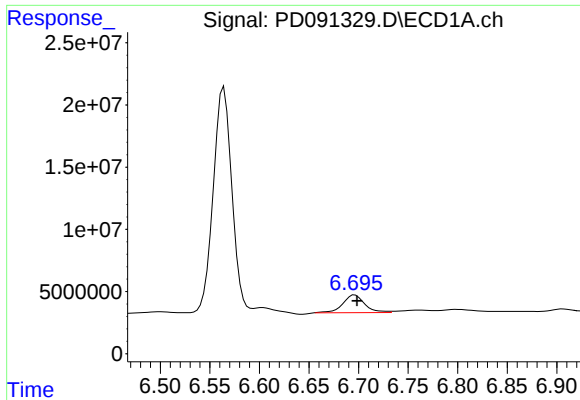
#14 Endrin

R.T.: 6.564 min
Delta R.T.: -0.002 min
Response: 238776495
Conc: 48.11 ng/ml



#14 Endrin

R.T.: 5.775 min
Delta R.T.: -0.003 min
Response: 2370617007
Conc: 52.46 ng/ml



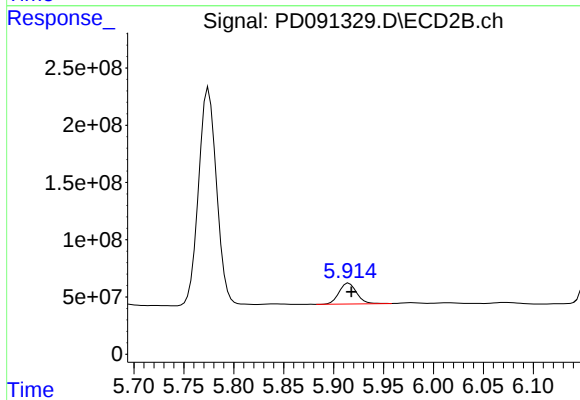
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.002 min
Response: 21905134
Conc: 4.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

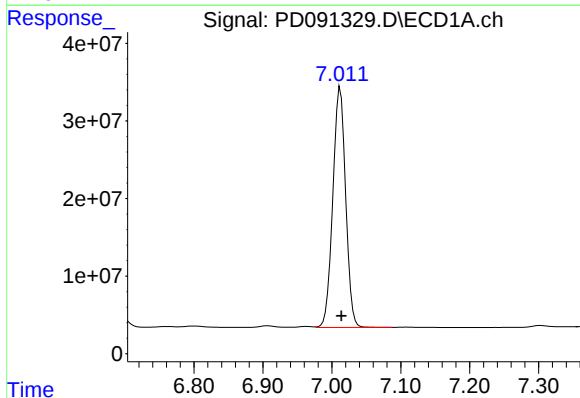
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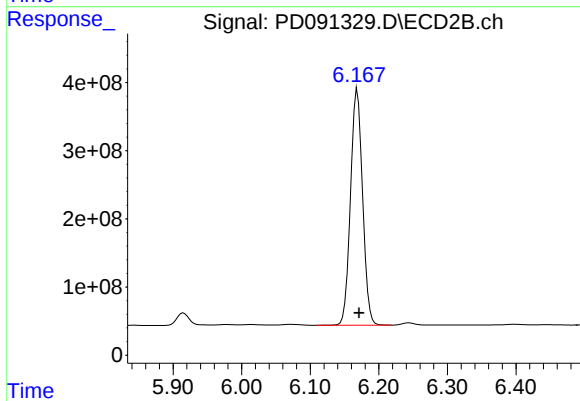
#16 4,4'-DDD

R.T.: 5.915 min
Delta R.T.: -0.003 min
Response: 223616301
Conc: 4.58 ng/ml



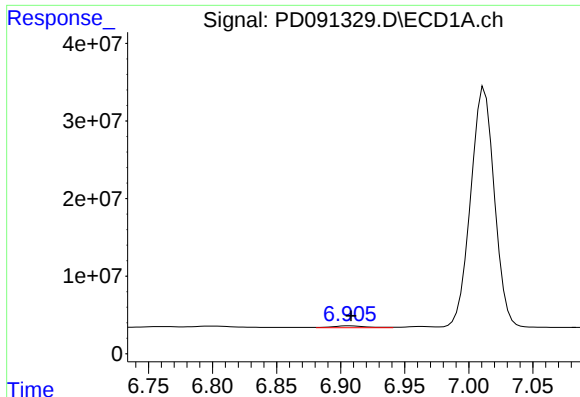
#17 4,4'-DDT

R.T.: 7.012 min
Delta R.T.: -0.002 min
Response: 400429632
Conc: 96.83 ng/ml



#17 4,4'-DDT

R.T.: 6.169 min
Delta R.T.: -0.002 min
Response: 4239640485
Conc: 108.34 ng/ml



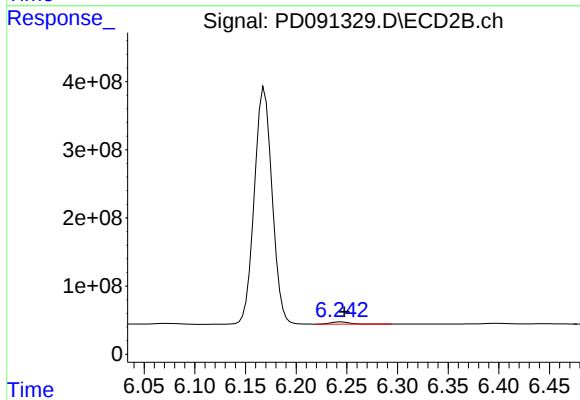
#18 Endrin aldehyde

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 4576959
Conc: 1.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

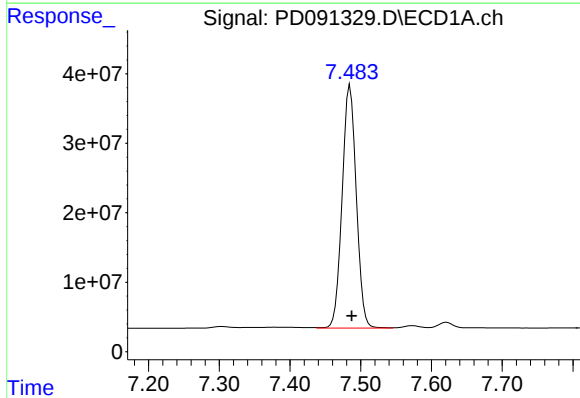
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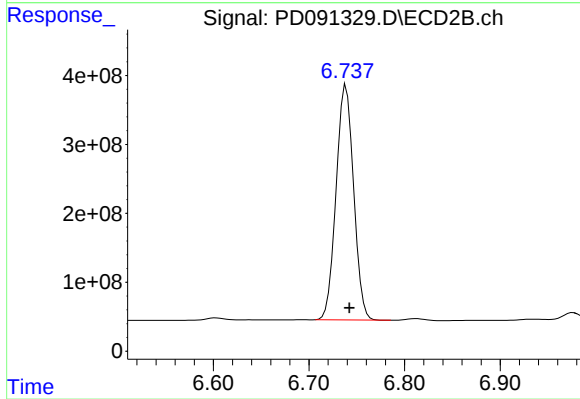
#18 Endrin aldehyde

R.T.: 6.244 min
Delta R.T.: -0.004 min
Response: 45264843
Conc: 1.28 ng/ml



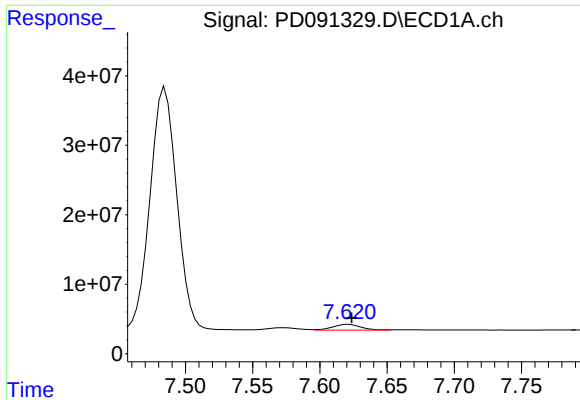
#20 Methoxychlor

R.T.: 7.485 min
Delta R.T.: -0.002 min
Response: 486949614
Conc: 223.95 ng/ml



#20 Methoxychlor

R.T.: 6.739 min
Delta R.T.: -0.003 min
Response: 4341438538
Conc: 216.52 ng/ml



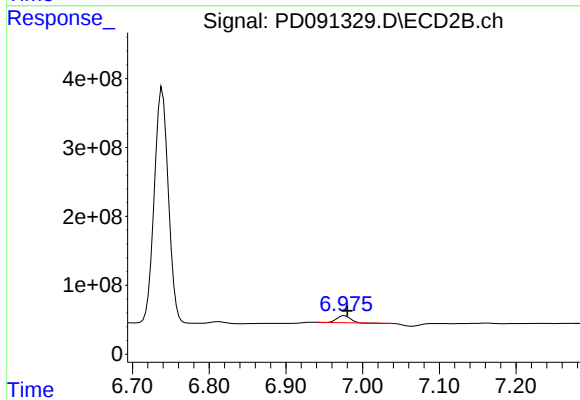
#21 Endrin ketone

R.T.: 7.621 min
Delta R.T.: -0.002 min
Response: 11877697
Conc: 2.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

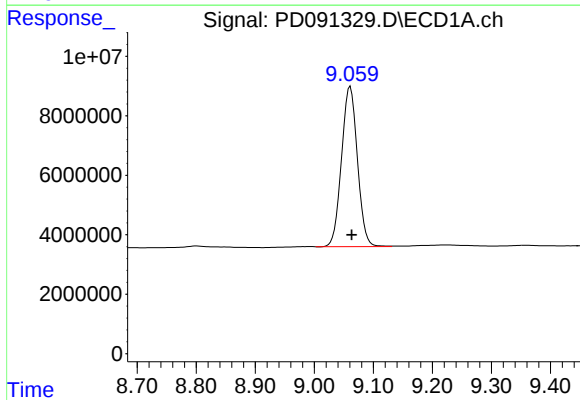
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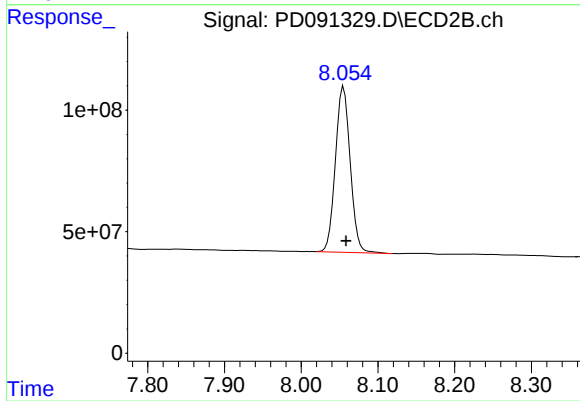
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.004 min
Response: 122046585
Conc: 2.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: -0.002 min
Response: 100653493
Conc: 20.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.055 min
Delta R.T.: -0.003 min
Response: 914178405
Conc: 23.10 ng/ml